## IN THE CLAIMS

- 1-25 (Canceled).
- 26. (Currently Amended) An isolated nucleic acid molecule comprising a nucleotide sequence having at least about 90% sequence identity to a nucleotide sequence encoding an HPTK6 polypeptide comprising the amino acid sequence shown in SEQ ID NO:4, or the complement of the nucleotide thereof, wherein said nucleotide sequence having at least about 90% sequence identity has tyrosine kinase activity.
- 27. (Currently Amended) An The isolated nucleic acid molecule [of Claim 26,] comprising a nucleotide sequence that encodes the amino acid sequence shown in SEQ ID NO: 8.
- 28. (Currently Amended) An The isolated nucleic acid molecule comprising the HPTK6 nucleotide sequence shown in SEQ ID NO:7.
- 29. (Currently Amended) An The isolated nucleic acid molecule comprising the HPTK6 nucleotide sequence shown in SEQ ID NO:3.
- 30. (Currently Amended) An isolated nucleic acid molecule <u>having tyrosine kinase</u> activity comprising an HPTK6 nucleotide sequence that hybridizes to the complement of a nucleic acid sequence that encodes the amino acid sequence shown in SEQ ID NO:4, wherein the hybridization occurs under stringent hybridization and wash conditions, said hybridization and wash conditions comprising employing a denaturing agent during hybridization and low ionic strength and high temperature for washing.
- 31. (Currently Amended) An isolated nucleic acid molecule <u>having tyrosine kinase</u> activity comprising an HPTK6 nucleotide sequence that hybridizes to the complement of a nucleic acid sequence that encodes the amino acid sequence shown in SEQ ID NO: 8, wherein the hybridization occurs under stringent hybridization and wash conditions, said hybridization and wash conditions comprising employing a denaturing agent during hybridization and low ionic

## strength and high temperature for washing.

- 32. (Previously Presented) A vector comprising a nucleic acid molecule of Claim 26.
- 33. (Previously Presented) The vector of Claim 32, wherein said nucleic acid molecule is operably linked to control sequences recognized by a host cell transformed with the vector.
  - 34. (Currently Amended) A An isolated host cell comprising the vector of Claim 33.
- 35. (Currently Amended) The <u>isolated</u> host cell of Claim 34, wherein said cell is a CHO cell, a yeast cell or E. coli.
  - 36. (Previously Presented) A vector comprising a nucleic acid molecule of Claim 27.
  - 37. (Previously Presented) A vector comprising a nucleic acid molecule of Claim 28.
  - 38. (Previously Presented) A vector comprising a nucleic acid molecule of Claim 29.
  - 39. (Previously Presented) A vector comprising a nucleic acid molecule of Claim 30.
  - 40. (Previously Presented) A vector comprising a nucleic acid molecule of Claim 31.